



**VIA ELECTRONIC MAIL**

March 16, 2011

Ms. Marlene H. Dortch  
Secretary, Federal Communications Commission  
445 12<sup>th</sup> Street, S.W.  
Washington, DC 20554

Re: **Notice of Ex Parte Communication** in the Matter of WC Docket 10-90, GN Docket 09-51, WC Docket 05-337, CC Docket 96-45, and WC Docket 03-109.

Dear Ms. Dortch,

On March 14<sup>th</sup>, 2011, Juan Eugenio Rodriguez, CIO of Puerto Rico, Colleen Newman, from the Puerto Rico Federal Affairs Administration, Jonathan Thessin, Senior Legislative Counsel of Congressional Special Representative Pedro Pierluisi, and Tom Koutsky, Chris Pedersen and Raquel Noriega, from Connected Nation, met with the following FCC members: James Balaguer, Amy Bender, Michael Byrne, Sharon Gillett, Zachary Katz, and Steve Rosenberg.

During the meeting we discussed various aspects of the proposed reform for the High Cost and Low Income USF programs and its impact upon Puerto Rico. The CIO of Puerto Rico presented data obtained via the State Broadband Data and Development Grant Program for Puerto Rico, showcasing the extent of the availability and adoption gap across the Island. The data discussed is included in the enclosed documentation.

In accordance with section 1.1206 of the Commission's rules, a copy of this notice is being filed via the Commission's Electronic Filing System in the above referenced docket. Should you have any questions, please feel free to contact me directly.

Sincerely,

s/Raquel Noriega

cc: James Balaguer, FCC  
Amy Bender, FCC  
Michael Byrne, FCC  
Sharon Gillett, FCC  
Zachary Katz, FCC  
Steve Rosenberg, FCC

# **The Broadband Landscape Across Puerto Rico**

**March 2011**

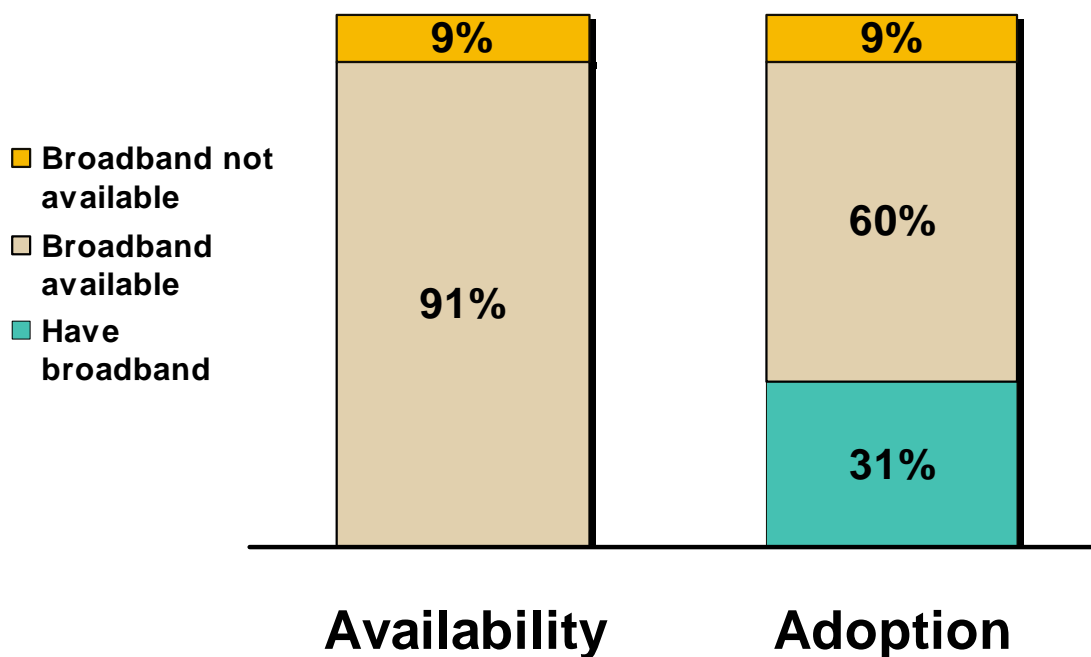
# Puerto Rico Residential Adoption and Availability Gap

An estimated 9% of households are *unserved* don't have access to broadband at any speeds.

Many more are *underserved*, having access to only basic broadband but not to higher speeds.

While 91% of households have access to broadband, only 31% have adopted broadband. That leaves 60% of households in Puerto Rico that have access to broadband and are not adopting it.

Percent of all Puerto Rico residents



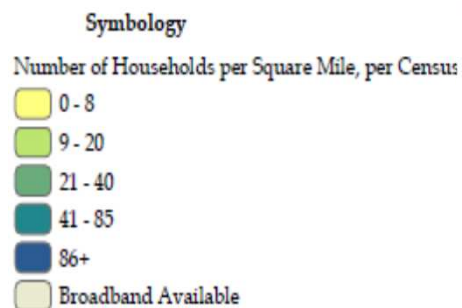
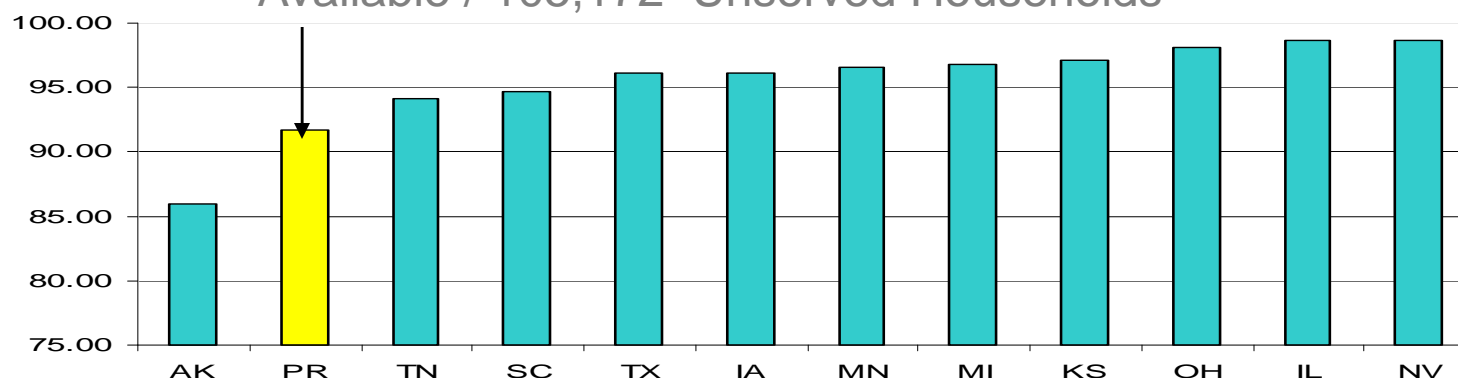
Q: Which of the following describe the type of Internet service you have at home?  
(n=1,200 PR residents)

Source: 2010 Connect Puerto Rico  
Residential Technology Assessment  
[www.connectpr.org](http://www.connectpr.org)

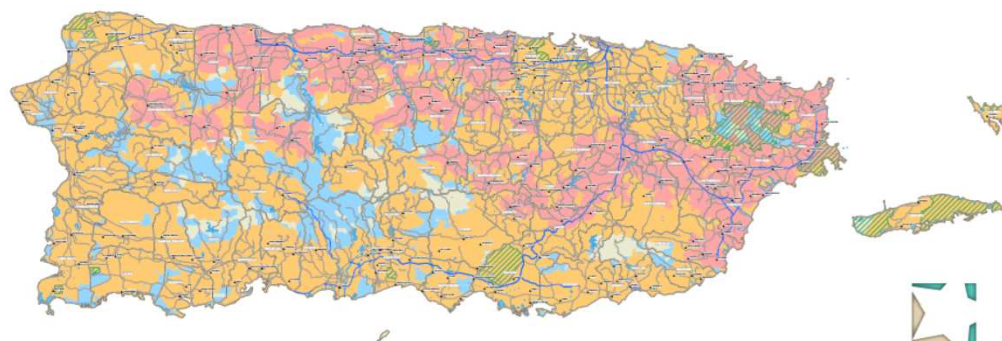
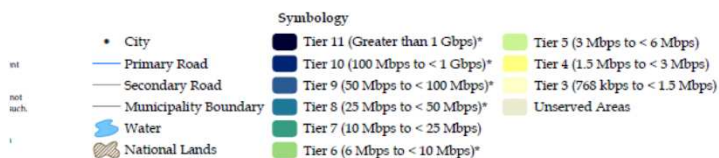
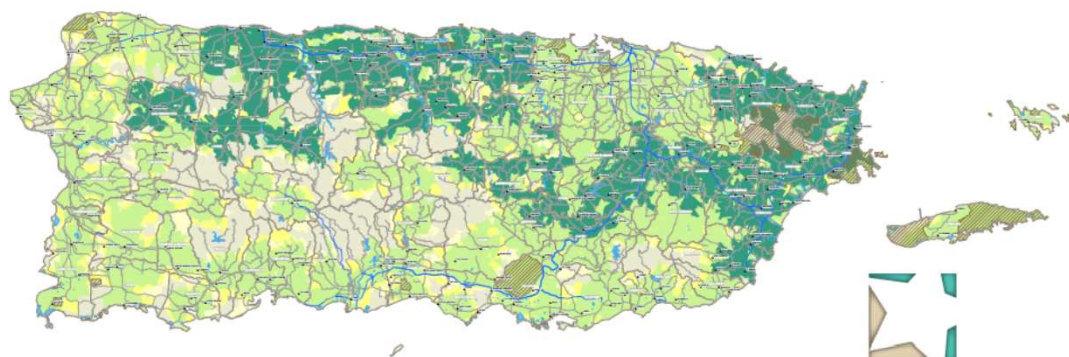
# *Availability Landscape*

# Mapping Overview - Availability

Fixed Terrestrial Broadband – at least 768 Kbps download speeds  
**91.66%** Puerto Rico Households with Basic Broadband  
 Available / 105,172 Unserved Households



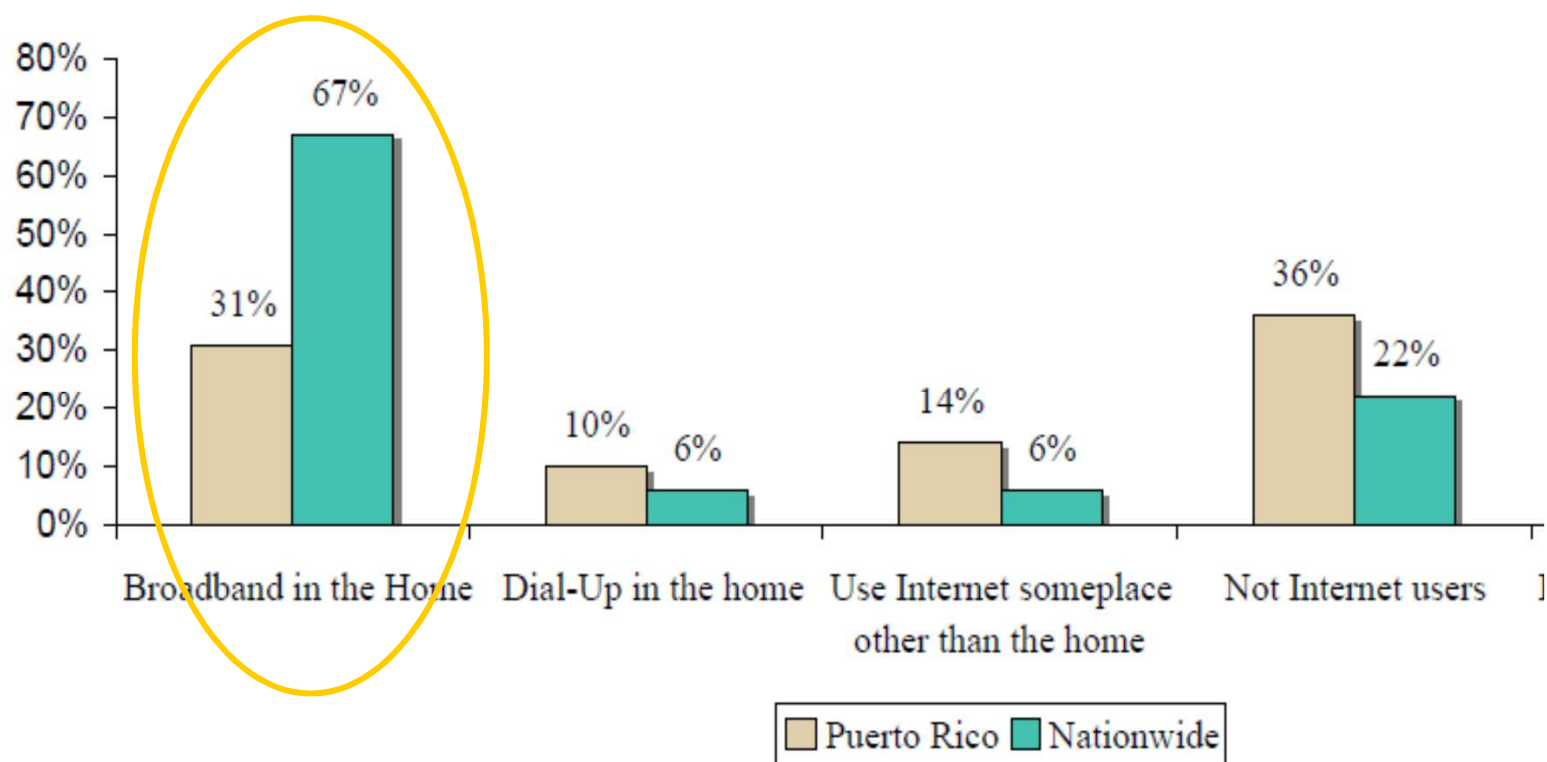
# Mapping Overview – Speed and Multi-Single Platform



# *Residential Adoption*



## Puerto Rico Residential Technology Gap



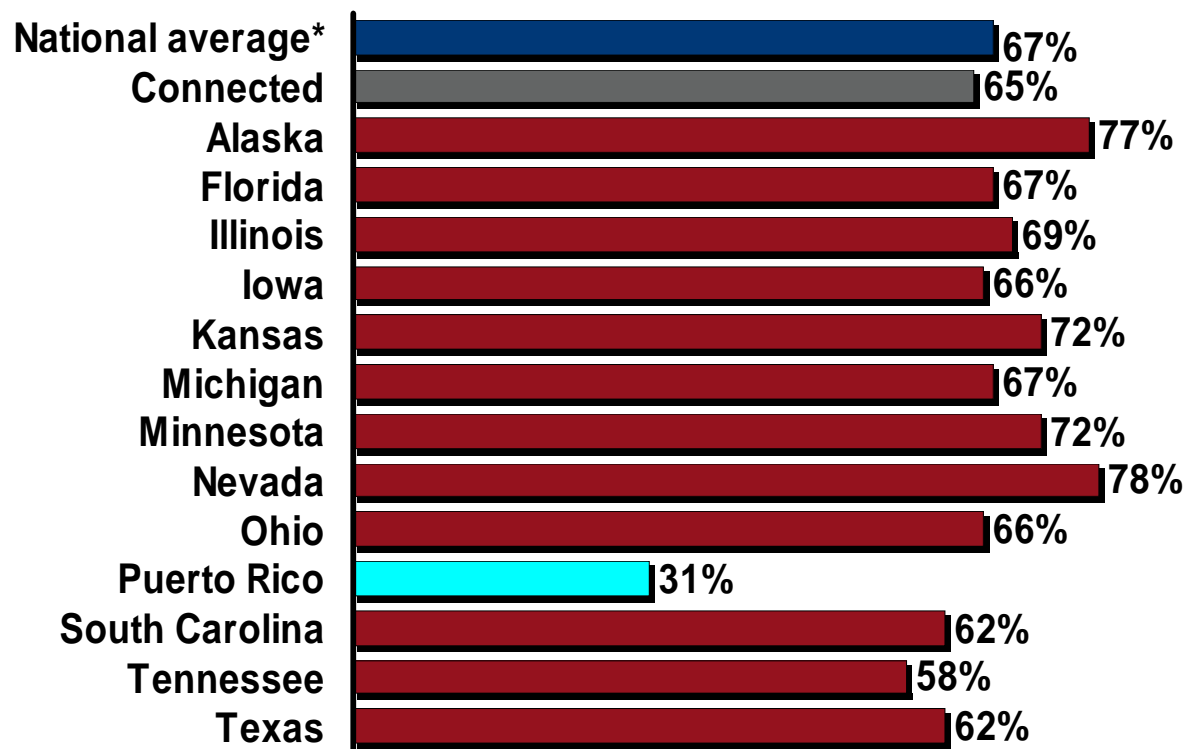
\*Source: Federal Communications Commission,  
*Broadband Adoption and Use in America*, 2010.

Source: 2010 Connect Puerto Rico  
Residential Technology Assessment



# Broadband Adoption by State

**Percent of all residents who subscribe to home broadband service**

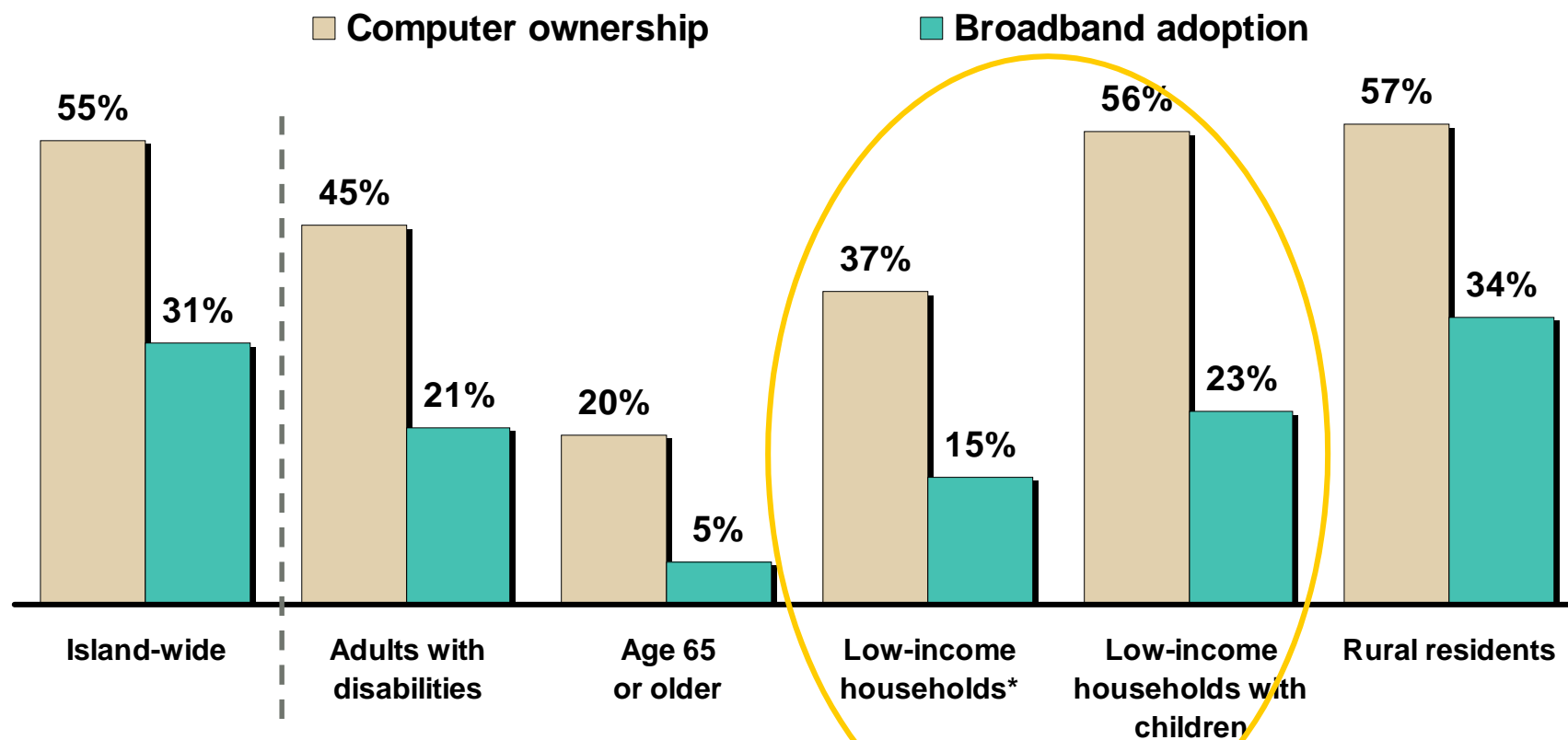


\*National source: Federal Communications Commission,  
*Broadband Adoption and Use in America: OBI Working Paper Series No. 1.*

Source: 2010 Connected Nation  
Residential Technology Assessments  
[www.connectednation.org](http://www.connectednation.org)

Q: Which of the following describe the type of Internet service you have at home?  
(n=15,647 adults living in states/territories served by Connected Nation)

# Technology Adoption by Demographic

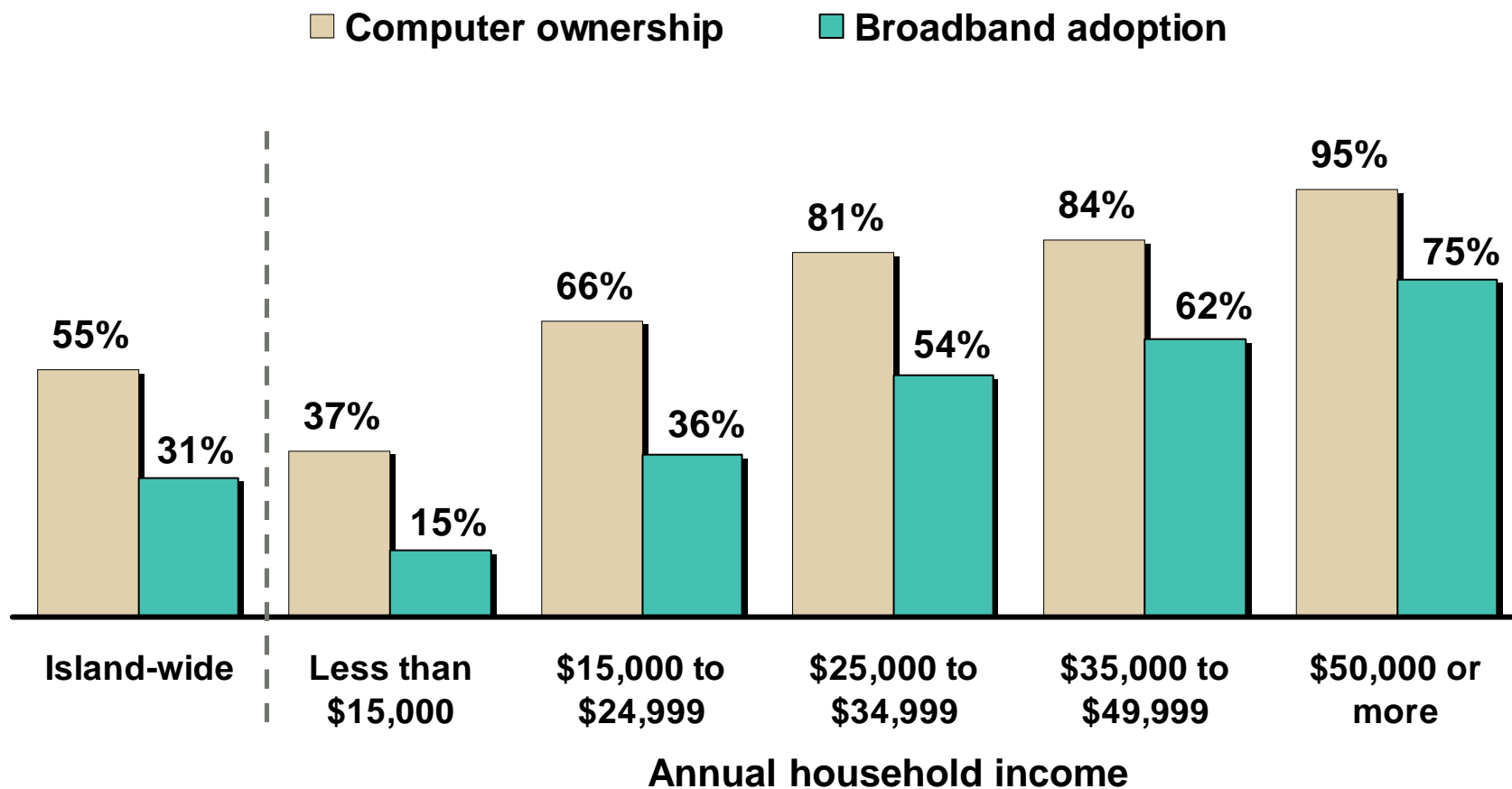


\*Low-income=household income less than \$15,000

Q: Does your household have a computer? and  
Which of the following describe the type of Internet service you have at home?  
(n=1,200 PR residents)

Source: 2010 Connect Puerto Rico  
Residential Technology Assessment  
[www.connectpr.org](http://www.connectpr.org)

# Technology Adoption by Income

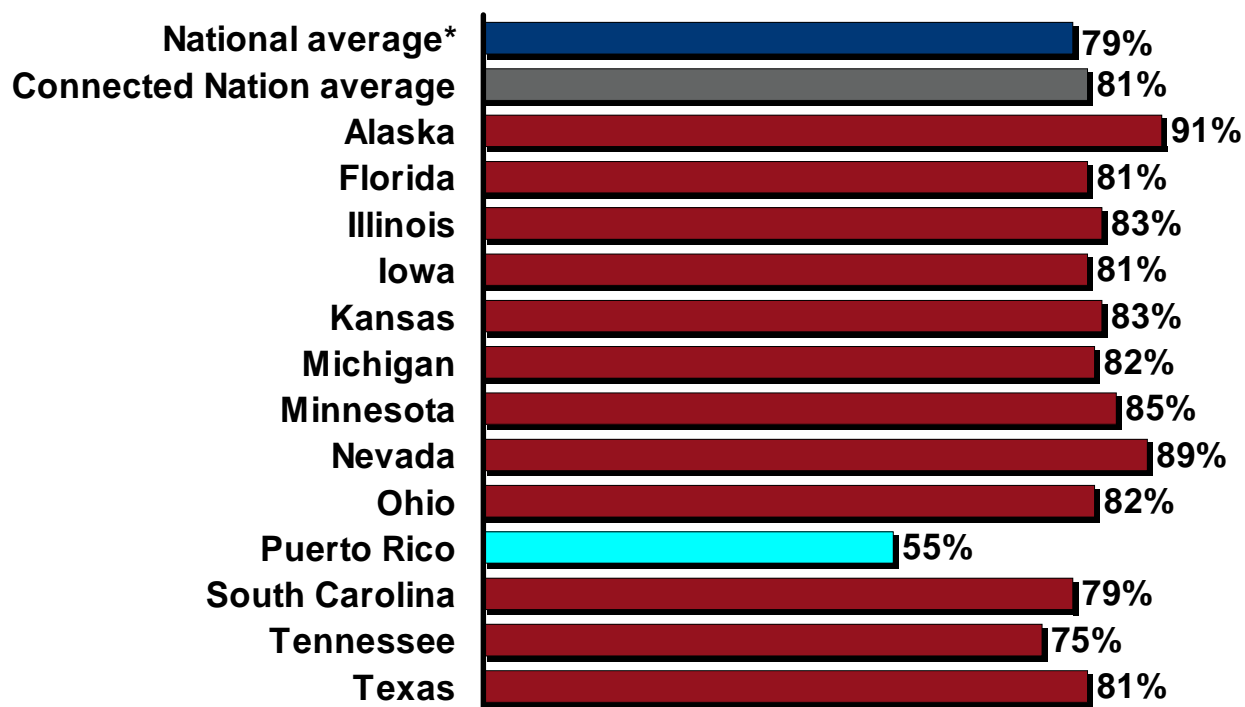


Q: Does your household have a computer? and  
Q: Which of the following describe the type of Internet service you have at home?  
(n=1,200 PR residents)

Source: 2010 Connect Puerto Rico  
Residential Technology Assessment  
[www.connectpr.org](http://www.connectpr.org)

# Computer Ownership by State

## Percent of all residents who own a computer

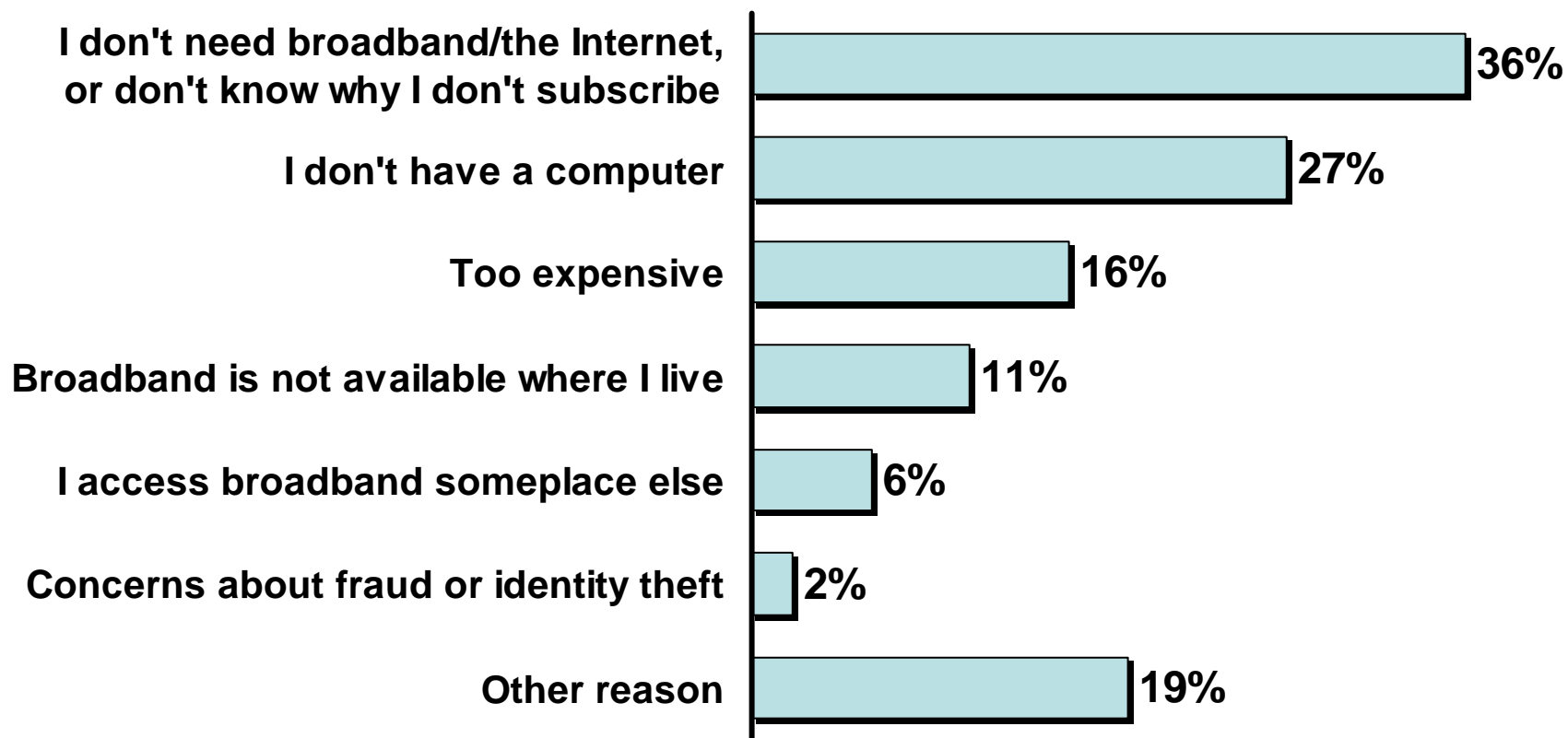


\*National source: Federal Communications Commission,  
*Broadband Adoption and Use in America: OBI Working Paper Series No. 1.*  
Source: 2010 Connected Nation  
Residential Technology Assessments  
[www.connectednation.org](http://www.connectednation.org)

Q: Does your household have a computer?  
(n=15,647 adults living in states/territories served by Connected Nation)

# *Barriers to Broadband Adoption*

## **Percent of Puerto Rico residents with no home broadband service**



\*Percentages do not add up to 100% because individuals could give multiple responses.

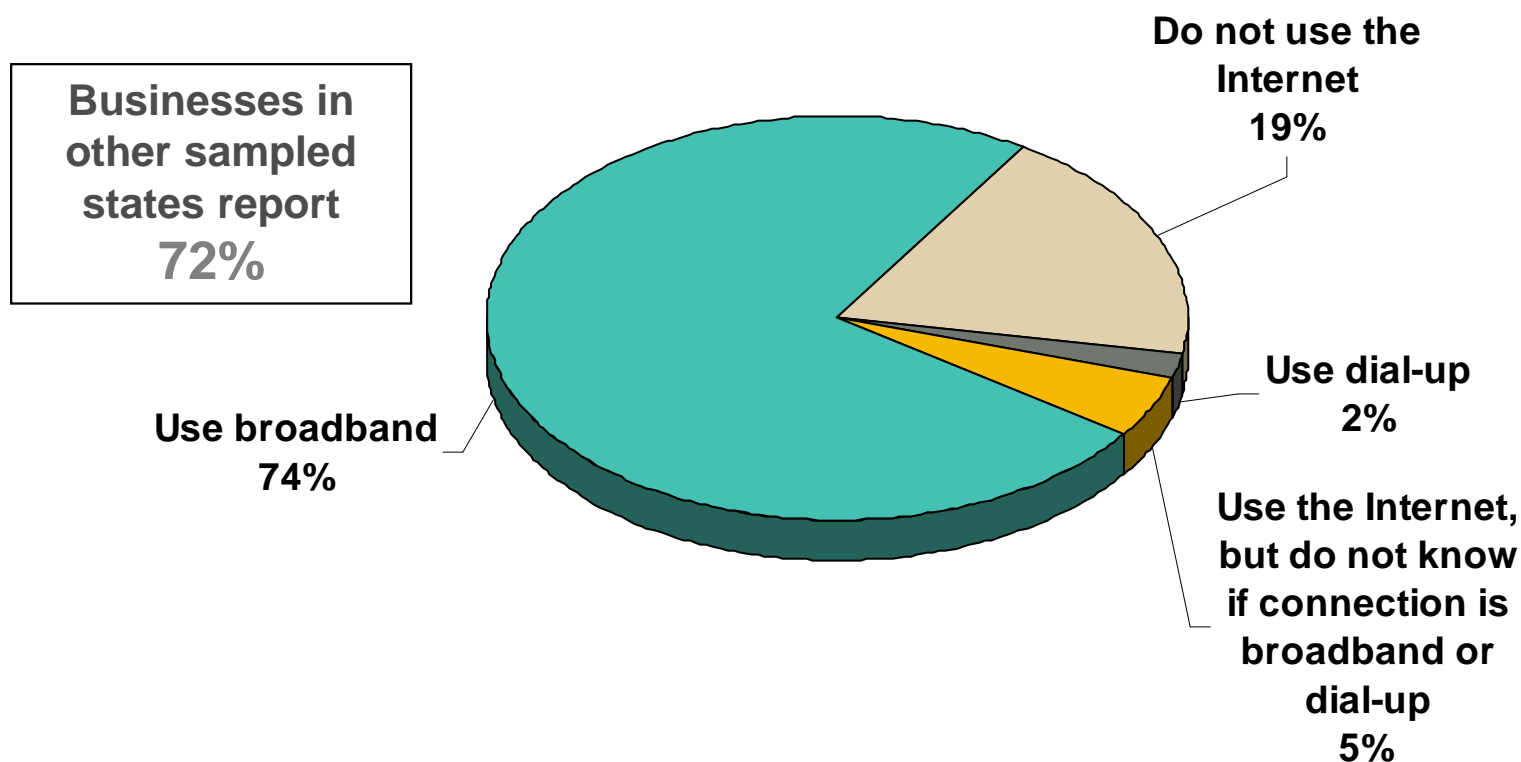
Q: Why don't you subscribe to broadband at home?  
(n=834 PR residents who do not have home broadband service)

Source: 2010 Connect Puerto Rico  
Residential Technology Assessment  
[www.connectpr.org](http://www.connectpr.org)

# ***Business Adoption***

# *Technology Adoption Among Puerto Rican Businesses*

**Percent of all Puerto Rican businesses**



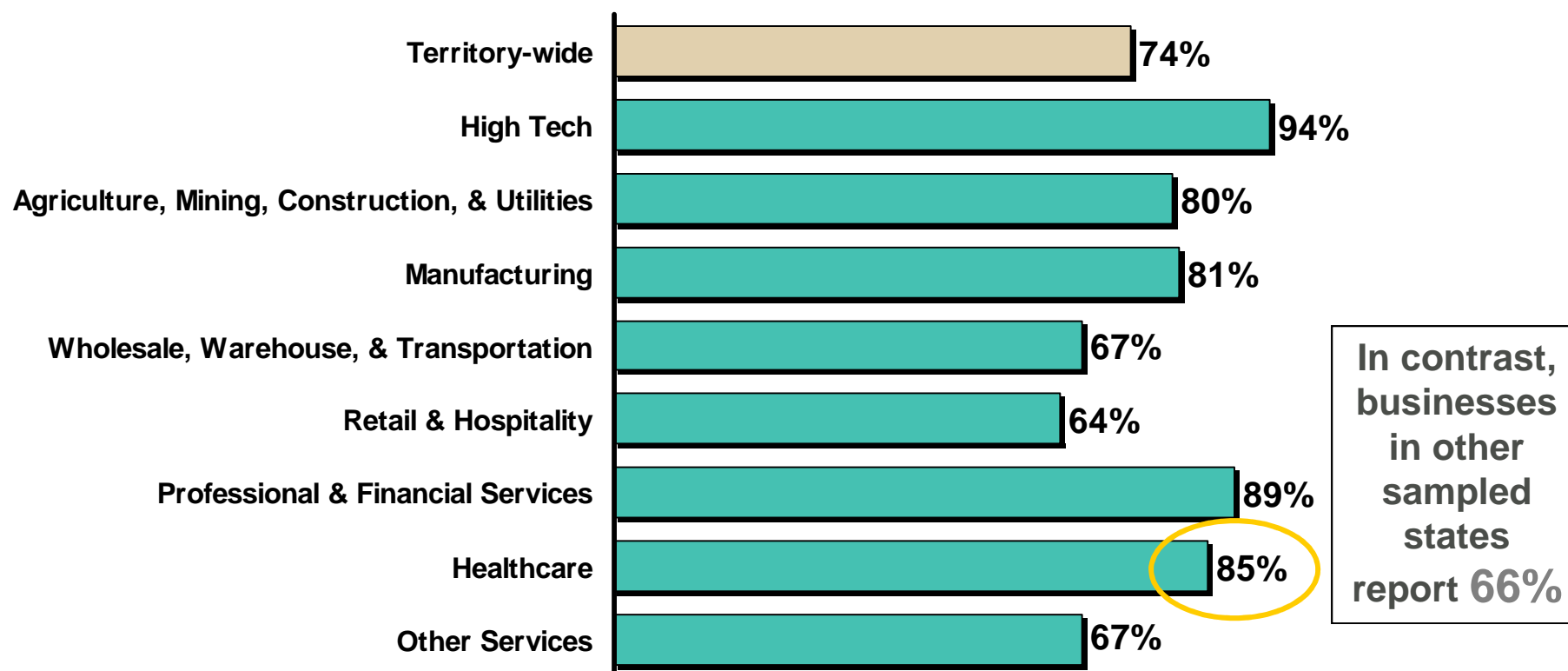
Q: Which of the following describes the type of Internet access your company has? and  
Q: Does your company use the Internet to handle any of your business functions?  
(n=814 PR businesses)

Source: 2010 Connect Puerto Rico  
Business Technology Assessment  
[www.connectpr.org](http://www.connectpr.org)



# Broadband Adoption by Industry Sector

Percent of all Puerto Rican businesses that subscribe to broadband service

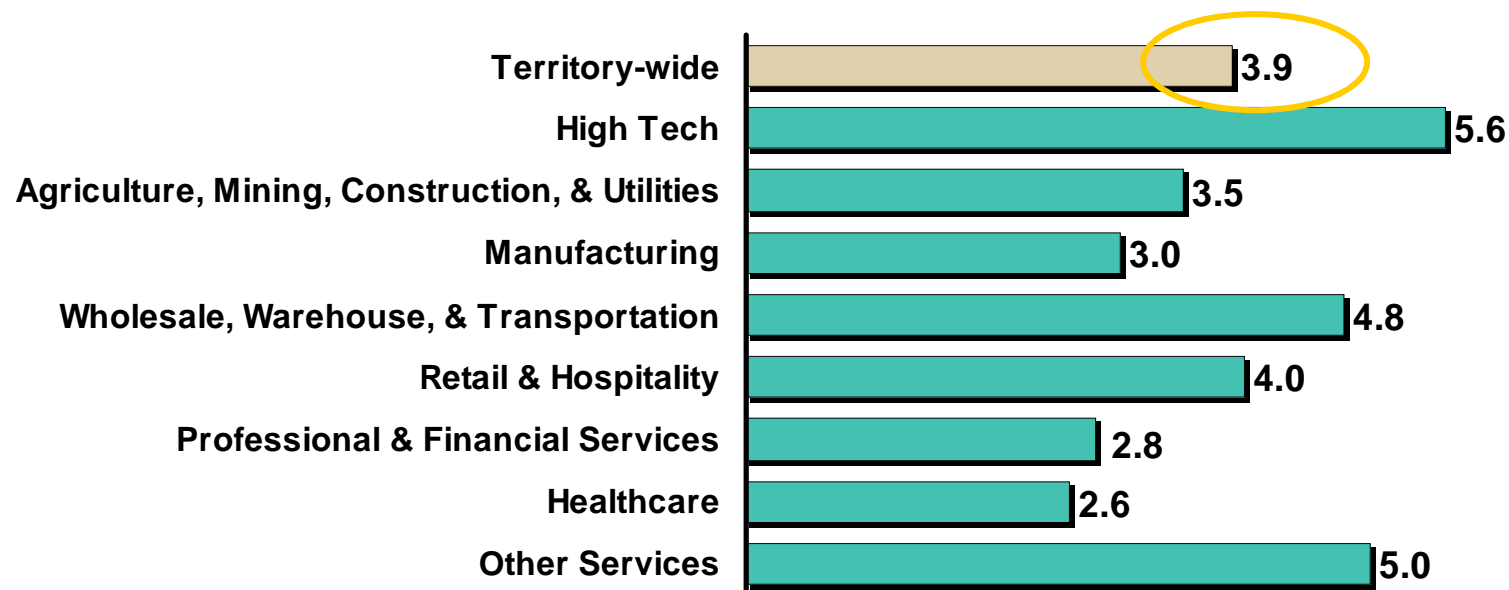


Q: Which of the following describes the type of Internet access your company has?  
(n=814 PR businesses)

Source: 2010 Connect Puerto Rico  
Business Technology Assessment  
[www.connectpr.org](http://www.connectpr.org)

# Average Broadband Download Speeds by Industry Sector

**Average download speed (Mbps) by industry sector  
(among businesses that know their advertised bandwidth)**



**In contrast,  
businesses  
in other  
sampled  
states  
report 6.7  
average**

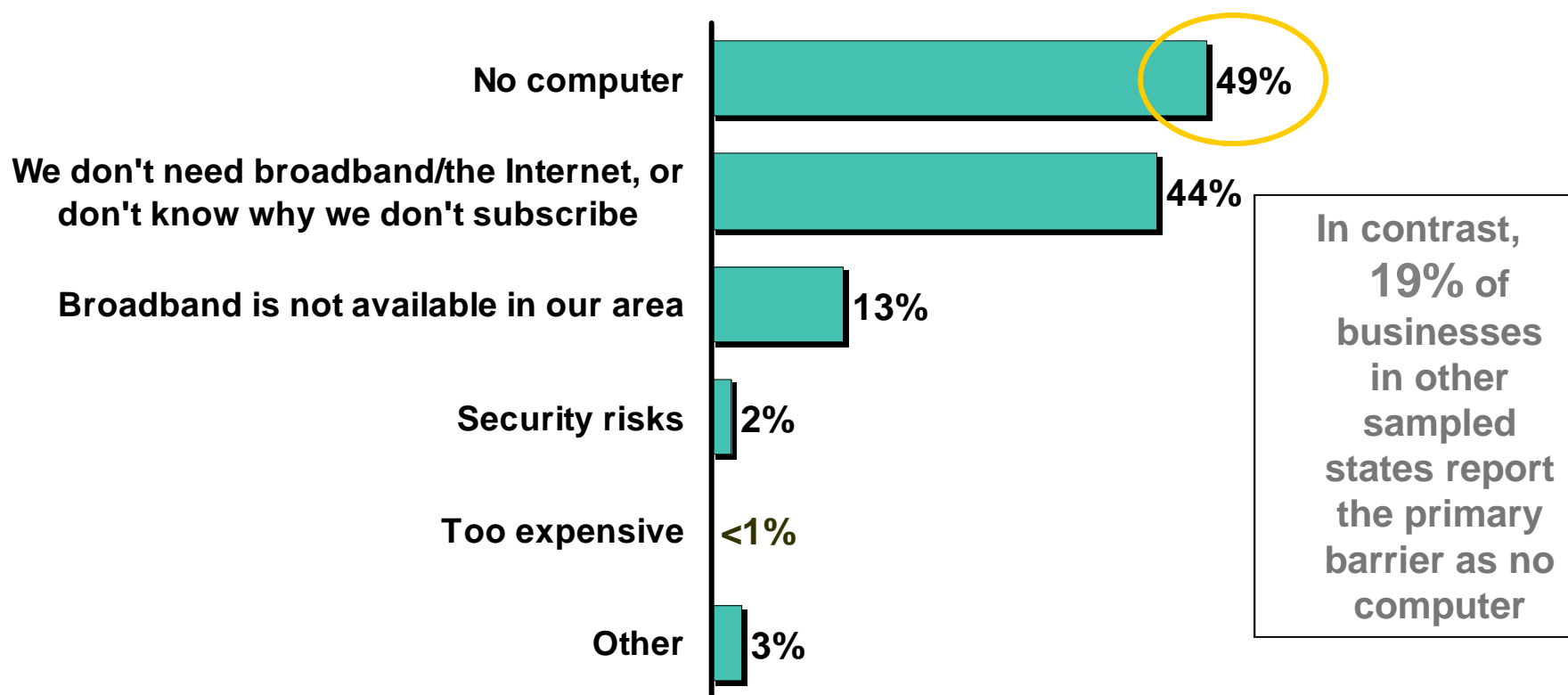
**Broadband-connected businesses in the High Tech sector report the highest average download speed, while those in the Healthcare sector report the lowest average speed.**

Q: To the best of your knowledge, what is the advertised or download speed provided by your Internet service provider?  
(n=430 broadband-connected PR businesses that know their advertised download speed)

Source: 2010 Connect Puerto Rico  
Business Technology Assessment  
[www.connectpr.org](http://www.connectpr.org)

# Barriers to Broadband Adoption

Among Puerto Rican businesses with no broadband service\*



\*Percentages do not add up to 100% because businesses could give multiple responses.  
Q: Why doesn't your organization subscribe to broadband service?  
(n=133 PR businesses with no broadband service)

Source: 2010 Connect Puerto Rico  
Business Technology Assessment  
[www.connectpr.org](http://www.connectpr.org)



***[www.connectpr.org](http://www.connectpr.org)***

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